

Center for Molecular Communication and Signaling Fall Retreat, Friday October 19, 2012; Bridger Field House

Schedule

8:45 Continental Breakfast

9:20 Welcome from Gloria Muday and Rebecca Alexander, CMCS Director and Co-Director

9:25 Opening Remarks: Bruce King, Associate Provost for Research

9:30-9:55 Leslie Poole, Biochemistry:

Localization of cellular oxidants for regulating signaling pathways

10:00-10:15 Daniel Lewis, Biology:

Microarray-enabled gene discovery to identify hormone response genes that control development

10:20 Coffee Break

10:45-11:00 Susan Mitroka, Chemistry:

The Chemistry of Nitroxyl (HNO) and Thiols: Modification of Free Thiol Groups and Formation of Dehydroalanine

11:05-11:25 Erik Johnson, Biology:

Intracellular and endocrine regulation of glucagon-like signaling in Drosophila

11:30-11:45 Gloria Muday and Rebecca Alexander:

Conversations about Center activities, pilot grants, and ways CMCS can support research

11:50 Lunch and working group discussions

1:00 Poster Session (presenters to stand by posters either 1:00 to 1:40 or 1:40 to 2:20)

2:30-2:45 Julie Reisz, Internal Medicine-Molecular Medicine:

Improved strategies for the labeling and detection of cysteine sulfenic acid using small cyclic and linear enolate probes

2:50-3:05 Ellen Dover, Biochemistry:

Up-regulation of estrogen signaling modulates pancreatic beta-cell survival pathways

3:10-3:25 Rongzhong Li, Physics:

Molecular Conformational Signaling Networks Determine Ion Concentration Dependent tRNA Folding Mechanisms

3:30-3:55 Richard Loeser, Internal Medicine-Molecular Medicine:

Redox regulation of cell signaling in chondrocytes

4:00 Wine and cheese reception to share ideas and discuss posters